

CLAIMS

1. An antibiotic method for processing a part of a refrigerator using a silver-based antibiotic substance, comprising the steps of:
 - 5 forming a preform of the part to have a thickness relatively smaller than that of a finished product of the part through an extrusion process;
 - mixing 0.05 to 0.1% by weight of the silver-based antibiotic substance in the form of pellets with a resin based on the total weight of the resin; and
 - forming an antibiotic layer on a surface of the preform of the part using the resin
- 10 with the antibiotic substance mixed therewith.
2. The method as claimed in claim 1, wherein the antibiotic layer is formed by laminating a film made of the resin with the antibiotic substance mixed therewith.
- 15 3. The method as claimed in claim 1, wherein the antibiotic layer is formed on the surface of the part of the refrigerator through multi-extrusion.
4. An antibiotic method for processing a part of a refrigerator using a silver-based antibiotic substance, comprising the steps of:
 - 20 mixing the silver-based antibiotic substance in the form of pellets with a resin; and
 - injection-molding a preform of a finish product of the part using the resin with the silver-based antibiotic substance mixed therewith.
5. The method as claimed in any one of claims 2 to 4, wherein the silver-based antibiotic substance comprises 60 to 80% by weight of an oxide of Ag ions having diameters of several dozen to hundred nanometers, 10 to 20% by weight of zirconium phosphate, and 10 to 20% by weight of a zinc oxide.
- 25 6. The method as claimed in claim 4, wherein about 0.05 to 0.1% by weight of the silver-based antibiotic substance in the form of pellets is mixed with the resin based on the
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total weight of the resin.

7. The method as claimed in any one of claims 2 to 4, wherein the preform of the finished product of the part is formed by means of a master batch method using the resin
5 with the silver-based antibiotic substance mixed therewith.